I. C. 6977 DECEMBER 1937

UNITED STATES
DEPARTMENT OF THE INTERIOR
HAROLD L. ICKES, SECRETARY

BUREAU OF MINES
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INFORMATION CIRCULAR

PETROLEUM REFINERIES, INCLUDING CRACKING PLANTS, IN THE UNITED STATES, JANUARY 1, 1937

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G. R. HOPKINS AND E. W. COCHRANE

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DEPARTMENT OF THE INTERIOR - BUREAU OF MINES

PETROLEUM REFINERIES, INCLUDING CRACKING PLANTS, IN THE UNITED STATES, JANUARY 1, 1937[1]

By G. R. Hopkins[2] and E. W. Cochrane[3]

INTRODUCTORY SUMMARY

The total number of completed petroleum refineries declined materially in 1936, but the total capacity to process crude oil and to crack unfinished oils continued to increase. About 60 plants were dismantled or removed from the list as being worthless except for junk. These facts were ascertained from the Bureau's canvass of refinery capacity as of January 1, 1937.

The number of operating refineries remained virtually unchanged in 1936, there being 423 on January 1, 1937, compared with 422 on January 1, 1936. The large decrease in number of completed refineries affected chiefly the idle plants, which had reached a peak of 210 at the beginning of 1936. On January 1, 1937, only 149 idle plants were considered to be worth reconditioning, a decline of 61 from the previous year. About half of the "casualities" were in the East Texas field, where only 14 plants were operating on January 1, 1937, out of the 80 or more constructed. About a dozen plants have been dismantled in the East Texas field since the first of this year, but these were retained in the list so the figures would be comparable from year to year. Refineries are closed down when they cannot be operated at a profit, then dismantled as the sources of crude dry up. Ordinarily a plant is closed down several years before the owners become convinced that the small salvage value outweighs the future possibilities. However, in the East Texas field it did not take some refiners long to realize that the possibilities for the return of the cheap crude days of 1931-1934 were slim, consequently the average shut-down period in that field has been short.

The total capacity of the completed plants on January 1, 1937, was 4,294,881 barrels of crude oil daily. This does not mean that that much crude could have been run at that time, as most of the capacity of the inoperative plants, 328,265 barrels, could not be used without considerable modernization. Furthermore, much of the shell-still capacity of the operating plants, estimated as about 1,500,000 barrels, is probably in poor condition.

Of vital interest today is the amount of excess refining capacity. Some large companies are admittedly operating at capacity, and the question arises as to how the increases in gasoline and light fuel oil consumption will be met. The highest daily average crude runs around the first of the year were about 3,100,000 barrels, indicating an "excess" capacity of about 867,000 barrels. Some of this "excess" is represented in the overstatements of capacity by the smaller companies and some in the unusable capacity at plants without sufficient crude or markets for products. Most of it, however, probably is shell-still capacity that can be operated only at a sacrifice in yields of finished products.

1 The Bureau of Mines will welcome reprinting of this paper, provided the following footnote acknowledgment is used: "Reprinted from Bureau of Mines Information Circular 6977."

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How much of the stand-by shell-still capacity was actually operating on January 1, 1937, is not known, as a plant is reported as "operating" if any of its straight-distillation equipment is in use. That more of the stand-by capacity has been used in the past year is indicated in the failure to maintain gasoline yields, although this may have resulted from deliberately increasing fuel-oil yields or from running heavier crudes. Doubtless, crude runs could be raised even above the high levels now prevailing as considerable pipe-still and cracking capacity now operating on unfinished oils could be converted to crude. Actually, considerable cracking capacity has been converted to run on crude oil much after the manner of the new combination units. The crude-oil capacity of the converted cracking units on January 1, 1937, was 217,885 barrels; that of combination units was 432,300 barrels. Comparable data for prior years are not available, but both figures are believed to represent substantial increases over the preceding year. As further insurance against demard outstripping crude-oil capacity, is the material increase in construction and modernization, equipment companies being busier in 1936 and 1937 than at any time since 1929 and possibly since 1920.

The capacity of the operating plants in California, the leading district, remained practically unchanged in 1936, but the East coast, Indiana-Illinois, and Texas Gulf coast districts made material gains. The growth in refinery activity in the Texas Gulf coast in recent years has been outstanding; although it only has about 30 plants, it virtually matches California in capacity and is far ahead of that State in crude runs. The only other district in which crude runs have increased materially in recent years is Indiana-Illinois, although in this case the dominant factor has been one of increased demand within the district rather than of location, as is the case with the Texas Gulf coast.

The capacity of the 74 "complete" plants operating on January 1, 1937, continued to represent nearly half the total, although the capacity of skimming plants registered a larger increase in 1936. This was primarily because most of the combination capacity was classed as "skimming." The increased demand for asphalt possibly had something to do with a material increase in the capacity of "skimming and asphalt" (S & A) plants.

The superiority of the pipe still over the shell still as a distilling unit continued to assert itself, with the result that the number of pipe stills increased from 727 on January 1, 1936, to 757 on January 1, 1937, whereas many shell stills were junked. The number of pipe stills operating on crude oil showed little change, consequently the net increase swelled the number operating on unfinished oils, for example, topped crude from shell stills. The capacity of the pipe stills operating on crude oil on January 1, 1937, was 2,202,335 barrels. This was equivalent to about 73 percent of daily average crude runs of that date, compared with 76 percent a year ago.

The trends in cracking capacities in 1936 were the same as in 1934 and 1935, that is, the capacities operating and under construction increased but the idle capacity declined. The capacity of the operating units, which includes the cracking capacity of combination units, increased from 1,994,868 barrels on January 1, 1936, to 2,077,325 barrels on January 1, 1937, or 4 percent. As the charge to cracking stills increased 19 percent in that period, it follows that an increase in theoperating ratio outweighed the comparitively small gain in capacity. That the operating ratio for cracking units (80 percent) is approaching the maximum is indicated in the large gain in capacity under construction - 30,450 barrels on January 1, 1936, to 138,220 barrels on January 1, 1937. The present amount of new construction in cracking compares with the boom days of 1929 and 1930.

The East coast continued to lead in cracking capacity, although the Texas Gulf coast will be in first place as soon as its current building program is completed. The largest increases in capacity in 1936 were registered in the Texas Gulf coast, Indiana-Illinois, and California districts.

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Ten or twelve years ago, when the first cracking capacity data were compiled, cracking units bore definite names and it was possible to measure the growth in importance of each type of process with a reasonable degree of accuracy. Since then patent litigation and competition have reduced the field to a handful, of which Dubbs and Gasoline Products Company are the most active. The latter are licensees for a number of processes, which can be used in whole or in part in the construction of a new unit. For those cases in which a new unit comprises parts of several types of process it is obviously difficult, if not impossible, to assign definite names. This, and the fact that it is becoming increasingly difficult to draw the line between straight distillation and cracking, presages limiting the capacity compilations to cover only crude throughput and gasoline production.

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EXPLANATION OF SYMBOLS AND ABBREVIATIONS USED IN TABLES

Location: The location given is the plant location, which does not always correspond with the office address.

Capacity: Straight distillation.- In general, the capacity of a refinery represents the maximum daily average crude throughput of the plant in complete operation, with due allowance for time closed down.
Cracking.- The capacity of a cracking plant is usually given as the maximum daily throughput of fresh charging stock.

Status: Op. denotes that the plant was operating on Jan. 1, 1937; similarly, S.d. denotes shut down, and Bldg. denotes building.

Types: Refineries (straight-distillation equipment) are differentiated into types according to the products generally made. Seven common types of refineries are given in this survey as follows:

Skimming plant (Skim.)	Skimming and lube (S & L)	Complete plant (Comp.)	Skimming and asphalt (S & A)
Gasoline	Gasoline	Gasoline	Gasoline
Kerosene	Kerosene	Kerosene	Kerosene
Gas oil and fuel oil	Gas oil and fuel oil	Gas oil and fuel oil	Gas oil and fuel oil
	Lubricating oils	Lubricating oils	Asphalt and road oil
		Wax, if present in the crude	

Lube plant (Lube)	Asphalt plant (Asph.)	Topping plant (Top.)
Gas oil and fuel oil	Distillates	Tops
Lubricating oils	Gas oil and fuel oil.	Distillates
	Asphalt and road oil	Gas oil and fuel oil

"Type" used in connection with cracking plants generally represents the manufacturer's designation for the process.

In order to show the connection between this census and the refinery districts as recognized in the refinery statistics of the Bureau of Mines, the following symbols have been attached to the refineries to indicate the divisions to which they have been assigned:

a/ East coast
b/ Appalachian
c/ Indiana, Illinois, Kentucky, etc.
d/ Oklahoma, Kansas, Missouri, etc.
e/ Texas Inland
f/ Texas Gulf coast
g/ Louisiana Gulf coast
h/ Arkansas and Louisiana Inland
i/ Rocky Mountain
j/ California

The footnote * used in the survey indicates that no report was received for January 1, 1937. The information given is taken from previous surveys or from trade sources.

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Recapitulation of Refineries by Years, 1914-37, and by Districts and Types.

January 1, 1937

	Number				Capacity (barrels per day)			
	Op	S.d.	Bldg	Total	Operating	Shut down	Building	Total
Date								
Jan. 1, 1914[1]	(2/)	(2/)	(2/)	176	(2/)	(2/)	(2/)	(2/)
Jan. 1, 1918	(2/)	(2/)	(2/)	267	(2/)	(2/)	(2/)	1,186,155
Jan. 1, 1919	(2/)	(2/)	(2/)	289	(2/)	(2/)	(2/)	1,295,115
Jan. 1, 1920	[3]373	(3/)	99	472	[3]1,530,565	(3/)	263,500	1,794,065
Jan. 1, 1921	350	65	44	459	1,794,395	94,405	76,600	1,965,400
Jan. 1, 1922	325	154	30	509	1,854,590	254,610	59,950	2,169,150
Nov. 1, 1924	357	190	8	555	2,480,922	333,410	18,200	2,832,532
Jan. 1, 1925	357	184	6	547	2,489,927	337,910	37,000	2,864,837
May 1, 1925	365	185	4	554	2,511,817	342,025	11,000	2,864,842
Jan. 1, 1926	352	158	2	512	2,562,357	290,610	5,500	2,858,467
Jan. 1, 1927	327	138	7	472	2,834,282	226,725	61,000	3,122,007
Jan. 1, 1928	326	97	5	428	3,036,125	214,255	22,000	3,272,380
Jan. 1, 1929	341	72	14	427	3,325,890	183,650	99,000	3,608,540
Jan. 1, 1930	358	54	8	420	3,634,825	130,760	37,200	3,802,785
Jan. 1, 1931	346	89	10	445	3,706,610	236,075	45,000	3,987,685
Jan. 1, 1932	365	108	6	479	3,624,992	389,616	8,720	4,023,328
Jan. 1, 1933	372	133	18	523	3,445,118	444,392	31,545	3,921,055
Jan. 1, 1934	454	137	13	604	3,553,569	364,648	44,450	3,962,667
Jan. 1, 1935	435	196	7	638	3,614,749	443,751	13,900	4,072,400
Jan. 1, 1936	422	210	15	647	3,749,835	367,212	46,899	4,163,946
Jan. 1, 1937	423	149	11	583	3,966,616	328,265	81,200	4,376,081
Districts, Jan. 1, 1937								
East coast	24	1	.....	25	665,500	5,000	.....	670,500
Appalachian	38	7	.....	45	142,675	18,300	.....	160,975
Ind., Ill., Ky., etc.	48	8	2	58	510,050	9,180	3,000	522,230
Okla., Kans., Mo., etc.	52	13	1	66	431,650	30,600	1,500	463,750
Texas Inland	80	66	4	150	314,275	148,480	17,200	479,955
Texas Gulf coast	29	2	2	33	767,500	11,500	55,000	834,000
La. Gulf coast	5	.....	.....	5	136,000	.....	.....	136,000
Ark. and La. Inland	17	5	.....	22	102,900	23,800	.....	126,700
Rocky Mountain	71	29	2	102	97,206	10,155	4,500	111,861
California	59	18	.....	77	798,860	71,250	.....	870,110
Total	423	149	11	583	3,966,616	328,265	81,200	4,376,081
Types, Jan. 1, 1937								
Skimming (Skim.)	268	130	8	406	1,309,216	297,440	66,000	1,672,656
Complete (Comp.)	74	3	.....	77	1,953,900	10,000	.....	1,963,900
Skimming and lube (S & L)	22	4	.....	26	286,700	5,300	.....	292,000
Skimming and asphalt (S & A)	35	1	3	39	339,700	500	15,200	355,400
Lube (Lube)	6	3	.....	9	4,000	500	.....	4,500
Asphalt (Asph.)	12	3	.....	15	52,200	4,850	.....	57,050
Topping (Top.)	6	5	.....	11	20,900	9,675	.....	30,575
Total	423	149	11	583	3,966,616	328,265	81,200	4,376,081

NOTE:- See page 4 for explanation of abbreviations and symbols.

[1]From the Bureau of the Census.

[2]Not available.

[3]Inoperative plants included under operating.

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Recapitulation of Refineries by States, January 1, 1937

State	Number				Capacity (barrels per day)			
	Op.	S d.	Bldg	Total	Operating	Shut down	Building	Total
Alabama	1			1	4,000			4,000
Arkansas	7	1		8	36,250	5,500		41,750
California	59	18		77	798,860	71,250		870,110
Colorado	8	2	1	11	4,850	1,980	2,000	8,830
Delaware	1			1	3,500			3,500
Georgia	1			1	4,000			4,000
Illinois	11			11	136,600			136,600
Indiana	6			6	210,000			210,000
Kansas	20	5	1	26	172,100	7,600	1,500	181,200
Kentucky	7	1		8	25,000	2,600		27,600
Louisiana	14	3		17	198,650	18,250		216,900
Maryland	3			3	60,500			60,500
Massachusetts	2			2	41,000			41,000
Michigan	15	5	2	22	53,450	6,050	3,000	62,500
Mississippi		1		1		50		50
Missouri	1			1	21,700			21,700
Montana	17	8	1	26	23,896	3,870	2,500	30,266
Nebraska	4	1		5	773	60		833
New Jersey	6	1		7	267,000	5,000		272,000
New Mexico	9	1		10	7,100	100		7,200
New York	6			6	58,700			58,700
Ohio	13	2		15	123,300	530		123,830
Oklahoma	31	8		39	237,850	23,000		260,850
Pennsylvania	30	6		36	305,075	15,800		320,875
Rhode Island	2			2	11,000			11,000
South Carolina	1			1	6,500			6,500
South Dakota	5			5	375			375
Tennessee	1			1	100			100
Texas	109	68	6	183	1,081,775	159,980	72,200	1,313,955
Utah	2	2		4	8,200	200		8,400
Virginia	1			1	2,000			2,000
West Virginia	4	1		5	10,500	2,500		13,000
Wyoming	26	15		41	52,012	3,945		55,957
Total	423	149	11	583	3,966,616	328,265	81,200	4,376,081

Recapitulation of Pipe Stills, January 1, 1936 and 1937

	Number of units		Daily charging capacity (bbl.)	
	Jan. 1, 1936	Jan. 1, 1937	Jan. 1, 1936	Jan. 1, 1937
Operating	615	643	2,784,156	2,921,531
On crude	435	437	2,104,840	2,202,335
On lube stocks	65	72	161,884	177,884
On pressure distillate	50	62	263,600	313,850
On other oils	65	72	253,832	227,462
Shut down	101	101	299,048	321,948
Building	11	13	50,000	97,500
Total	727	757	3,133,204	3,340,979

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Recapitulation of Cracking Plants, by Years, 1925-37, and by Districts and States, January 1, 1937

	Charging capacity (barrels per day)			
	Operating	Shut down	Building	Total
Date				
June 1, 1925	690,492	26,200	116,000	832,692
June 1, 1926	844,800	47,690	47,600	940,090
Jan. 1, 1928	1,013,000	253,000	22,000	1,288,000
Jan. 1, 1929	1,194,501	147,923	134,450	1,476,874
Jan. 1, 1930	1,419,200	139,840	149,900	1,708,940
Jan. 1, 1931	1,594,990	244,661	111,130	1,950,781
Jan. 1, 1932	1,603,809	394,585	48,587	2,046,981
Jan. 1, 1933	1,580,051	417,694	33,650	2,031,395
Jan. 1, 1934	1,712,629	377,735	59,300	2,149,664
Jan. 1, 1935	1,897,778	311,491	20,000	2,229,269
Jan. 1, 1936	1,994,868	215,450	30,450	2,240,768
Jan. 1, 1937	2,077,325	139,525	138,220	2,355,070
Districts, Jan. 1, 1937				
East coast	463,600	11,500	14,000	489,100
Appalachian	49,100	10,400	800	60,300
Ind., Ill., Ky., etc.	337,650	9,000	21,500	368,150
Okla., Kans., Mo., etc.	221,720	25,200	4,450	251,370
Texas Inland	155,900	17,700	6,700	180,300
Texas Gulf coast	435,500	2,200	82,000	519,700
La. Gulf coast	55,875	11,375		67,250
Ark. and La. Inland	37,750	3,500		41,250
Rocky Mountain	45,430	2,250	8,270	55,950
California	274,800	46,400	500	321,700
Total	2,077,325	139,525	138,220	2,355,070
States, Jan. 1, 1937				
Arkansas	10,000	3,500		13,500
California	274,800	46,400	500	321,700
Colorado	2,200			2,200
Illinois	89,700	6,500		96,200
Indiana	155,300		20,000	175,300
Kansas	101,270	15,700		116,970
Kentucky	14,400			14,400
Louisiana	83,625	11,375		95,000
Maryland	46,500			46,500
Massachusetts	25,500	1,800		27,300
Michigan	15,200	500	1,500	17,200
Missouri	16,500	7,000		23,500
Montana	7,550	500	970	9,020
New Jersey	196,600	2,500	14,000	213,100
New Mexico	1,500		300	1,800
New York	16,000	3,000		19,000
Ohio	81,050	3,000		84,050
Oklahoma	103,950	2,500	4,450	110,900
Pennsylvania	200,850	11,800		212,650
Rhode Island	4,000			4,000
Texas	591,400	19,900	88,700	700,000
Utah	8,880			8,880
West Virginia	5,250	1,800	800	7,850
Wyoming	25,300	1,750	7,000	34,050
Total	2,077,325	139,525	138,220	2,355,070

NOTE.- See page 4 for explanation of abbreviations and symbols.

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Recapitulation of Cracking Plants by Types of Process, January 1, 1937

The following data are shown essentially as reported to the Bureau of Mines, and no particular effort has been made to eliminate some types and combine others.

Type of process	Charging capacity (barrels per day)			
	Operating	Shut down	Building	Total
Biddison-Boyd	4,000			4,000
Black	16,000			16,000
Burton		7,000		7,000
Clark		500		500
Cross	194,000	14,750	15,250	224,000
de Florez	40,000			40,000
Doherty	28,800	1,000	1,200	31,000
Donnelly	40,700	1,500		42,200
Dubbs	353,200	51,200	23,770	428,170
Fleming	3,000			3,000
Gyro	21,800			21,800
Holmes-Manley	280,500	1,800		282,300
Jenkins	3,500	17,700		21,200
Kellogg	49,500		31,000	80,500
Knowles	1,200			1,200
Lewis [1]				
Link	37,000	7,250		44,250
Lummus		2,000		2,000
McKee	1,000			1,000
Own	532,250	9,700	53,000	594,950
Pratt	3,400			3,400
Richmond	3,700			3,700
Rowsey	1,000			1,000
Skelly-Rittman		4,000		4,000
Solar	4,000			4,000
True vapor phase	1,500	6,500		8,000
Tube and Tank	404,775	13,625	14,000	432,400
Wade		1,000		1,000
Winkler-Koch	52,500			52,500
Total	2,077,325	139,525	138,220	2,355,070

[1] Included in Cross.

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Company	Location	Railroads	Straight distillation			Cracking		
			Cap.	Status	Type	Cap.	Status	Type
ALABAMA g/								
Coastal Pet. Corp.*	Mobile	AT&N	4,000	Op.	Skim.			
			4,000					
ARKANSAS h/								
Berry Asphalt Co.*	Waterloo	Reader	2,000	Op.	Asph.			
Bright Stock Co.*	El Dorado	E&W, RI	1,000	Op.	Lube.			
Henry H. Cross Co., Inc.	Smackover	MoP	6,000	Op.	S&L	1,500	Op.	Donnelly.
Houston Oil Co. of Texas	Camden	StL&SW	5,500	S.d.	Skim.	2,000	S.d.	Dubbs.
Lion Oil Refg. Co.	El Dorado	E&W, MoP, RI	12,000	Op.	Comp.	5,000	Op.	Own.
Macmillan Pet. Corp.	Norphlet	MoP	2,500	Op.	S&L			
Root Pet. Co.	El Dorado	do.	8,500	Op.	Skim.	1,500	S.d.	Dubbs.
Do.	do.	do.	3,500	Op.	Comb.	3,500	Op.	Own.
Stephens Refg. Co., Inc.	Stephens	StL&SW	750	Op.	Skim.			
			41,750			13,500		
CALIFORNIA j/								
Ajax Oil & Refg. Co.	Clearwater	PE	3,000	Op.	Skim.			
American Oil Refg. Co.*	Long Beach	UP	2,500	S.d.	do.			
Aromalene, Inc.	Signal Hill		2,000	S.d.	do.			
Bachmann Pet. Corp.	Long Beach		5,000	Op.	do.			
R. R. Bush Oil Co.	do.		4,000	Op.	do.			
Caminol Co. Ltd.	Hanford	Santa Fe	3,000	Op.	do.			
Do.	Santa Fe Spgs.	do.	3,000	Op.	do.			
Do.	Venice	PE	1,200	Op.	do.			
Capitol Crude Oil Co. of Los Angeles	Santa Paula	SP	160	Op.	do.			
Cole Refg. Co.*	Seal Beach		2,500	S.d.	do.			
Eagle Oil & Refg. Co. Inc.	Santa Fe Spgs.	Santa Fe	1,200	Op.	do.			
Edington Oil & Refg. Co. Ltd.	Long Beach	UP	4,000	Op.	do.			
Elmoil Co. Ltd.	do.		1,800	Op.	do.			
El Tejon Refg. Co. Inc.	Mountain View	Santa Fe	3,500	Op.	do.	2,500	Op.	Own.
Envoy Pet. Co.	Long Beach		3,500	Op.	do.			
Estado Pet. Corp. Ltd.	do.	PE	6,000	Op.	do.			
Exeter Oil Co.*	Hynes	UP	8,000	Op.	S&A			
Field, O. C. Gasoline Corp.	Casmalia	SP	1,000	Op.	Asph.			
Fletcher Oil Co. Inc.	Los Angeles	Santa Fe, UP	3,000	S.d.	Skim.			

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Company	Location	Railroads	Straight distillation			Cracking		
			Cap.	Status	Type	Cap.	Status	Type
CALIFORNIA 1/ (Cont'd)								
General Pet. Corp. of Calif.	Lebec		12,000	Op.	Top.			
Do.	Los Angeles	Santa Fe	28,000	Op.	Comp.			
Do.	Torrance	do.	35,000	Op.	Skim.	6,000	Op.	Kellogg.
Gilmore Oil Co.	Los Angeles	Santa Fe, SP, UP	1,500	Op.	S&A			
Do.	Roadamite	SMV	1,200	Op.	do.			
Golden Bear Oil Co. Ltd.	Oildale	Sunset	500	Op.	Asph.			
Hancock Oil Co. of Calif.	Long Beach	UP	12,500	Op.	Skim.	5,000	Op.	Own.
Harbor Refg. Co. Inc.	do.	do.	2,500	Op.	do.			
Interstate Oil Corp.	Taft	Sunset	250	S.d.	do.			
Kolingo Refg. Co. Inc.*	Coalinga		300	S.d.	Lube.			
Lake View Oil & Refg. Co.	Maricopa	Sunset	2,500	Op.	Skim.			
MacMillan Pet. Corp.	Long Beach	PE	7,500	Op.	do.			
M. M. McCallen Refg. and Prod. Co.	Hunt. Beach		2,800	Op.	S&A			
Mercury Pet. Corp.*	Venice		2,000	Op.	Skim.			
Mohawk Pet. Co.*	Bakersfield		10,000	Op.	do.	6,500	Op.	Own.
Norwalk Co.*	Maricopa	Santa Fe, SP	3,500	Op.	do.			
Olympic Refg. Co.	Long Beach		6,500	Op.	do.			
Operators Oil & Refg. Co.*	do.		2,200	Op.	do.			
The Paraffine Companies, Inc.	Emeryville	SP	1,200	Op.	Asph.			
Peckham Oil Refineries, Inc.	Long Beach	UP	2,000	S.d.	Skim.	500	Bldg.	Own.
Petrol Corp.	Los Angeles	Santa Fe, UP	8,500	Op.	S&A			
Producers Refg. Corp.*	Long Beach		1,200	S.d.	Skim.			
Rice Ranch Oil Co.	Santa Maria		500	S.d.	Comb.	500	S.d.	Clark.
Richfield Oil Co. of Calif.	Bakersfield	Santa Fe	2,000	S.d.	Skim.			
Do.	Hynes	UP	55,000	Op.	do.	14,000	Op.	Cross.
Do.	Los Angeles	Santa Fe	4,000	S.d.	do.			
Do.	Watson	PE	30,000	Op.	Comp.	16,000	Op.	Black.
Do.	do.	do.	10,000	Op.	Comb.			
Rio Grande Oil Co.	Vinvale	SP	10,000	Op.	Skim.	3,000	Op.	Own.
Rothschild Oil Co.	Santa Fe Spgs.	Santa Fe	2,500	Op.	do.			
San Fernando Refg. Co.	Newhall		2,000	Op.	S&A			

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Company	Location	Railroads	Straight distillation			Cracking		
			Cap.	Status	Type	Cap.	Status	Type
CALIFORNIA j/ (Cont'd)								
Seaside Oil Co.	Ventura	SP	5,500	Op.	S&A			
Shell Oil Co.	Coalinga	SP	3,900	Op.	Skim.			
Do.	Dominquez	PE				34,000	Op.	Dubbs.
Do.	Martinez	SP	22,500	Op.	Comp.	18,400	Op.	do.
Do.	Wilmington	Santa Fe, PE	40,000	Op.	do.	8,700	Op.	do.
Do.	do.	do.				9,700	S.d.	do.
Signal Oil Co.	Hynes	UP	6,000	S.d.	Skim.			
Socal Oil & Refg. Co.	Hunt. Beach	PE	3,000	Op.	do.			
Standard Oil Co. of Calif.	Taft	Sunset	1,500	S.d.	do.			
Do.	El Segundo	PE, Santa Fe	100,000	Op.	Comp.	52,000	Op.	Dubbs.
Do.	do.	do.				25,000	S.d.	do.
Do.	Richmond	SP, Santa Fe	100,000	Op.	Comp.	47,000	Op.	do.
Do. (Bakersfield)	Seguro	do.	25,000	Op.	S&A			
The St. Helen's Pet. Co., Ltd.	W. Whittier	UP	4,500	Op.	do.			
Stockton Oil Co. Inc.	Stockton	SP, WP, Santa Fe	3,000	S.d.	Skim.			
Super Asphalt Prod. Co. (Italo)	Long Beach	PE	1,500	Op.	Asph.			
Telegraph Refg. Corp.	Davidson City	SP	2,000	Op.	Skim.			
The Texas Co. (Calif.)	Coalinga	do.	500	S.d.	Top.			
Do.	Fillmore	do.	4,000	Op.	Comb.	3,000	Op.	Cross.
Do.	Los Angeles	do.	35,000	Op.	Skim.	9,000	Op.	Holmes-Manley.
Tide Water Associated Oil Co.	Associated	do.	55,000	Op.	Comp.	21,000	Op.	Tube and Tank.
Do.	do.	do.				7,000	Bldg.	do.
Do.	Watson		10,000	Op.	Comb.	7,500	Op.	do.
Triangle Oil & Refining Co.*	Venice	PE	3,000	Op.	Skim.			
Union Oil Co. of Calif.	Avila	PC	10,000	S.d.	do.			
Do.	Maltha	SP, Santa Fe	5,000	Op.	S&A			
Do.	Oleum	SP	15,000	Op.	Comp.			
Do.	Santa Paula	do.	1,200	Op.	Skim.			
Do.	Wilmington	PE	53,000	Op.	Comp.	13,200	Op.	Cross.

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Company	Location	Railroads	Straight distillation			Cracking		
			Cap.	Status	Type	Cap.	Status	Type
CALIFORNIA i/ (Cont'd)								
Western Oil & Refg. Co.*	Wilmington	PE	12,000	S.d.	Skim.	4,200	S.d.	Jenkins.
Wilshire Oil Co. Inc.	Los Angeles	Santa Fe	18,000	S.d.	do.			
Do.	Norwalk (L.A.)	do.	12,000	Op.	Comb.	8,000	Op.	Dubbs.
			870,110			321,700		
COLORADO i/								
The Bay Pet. Corp.*	Denver	CB&Q	2,000	Bldg.	Skim.			
Cole & Lingenfelter	Berthoud	None	100	Op.	do.			
Colorado-Midland Refineries, Inc.	Denver	C&S	1,800	S.d.	Asph.			
Continental Oil Co.	do.	CB&Q, UP	1,850	Op.	Comb.	1,000	Op.	Cross.
Denver Refg. Syndicate	Denver	CB&Q	500	Op.	Skim.			
Fleming Oil, Gas & Refg. Co.*	Boulder		100	Op.	Top.			
McGarr Pet. Corp.	Marvel	None	180	S.d.	Skim.			
Perry Pet. Co.	Adams City	CB&Q, UP	800	Op.	do.			
Raven Oil & Refg. Co.	Rangely	None	200	Op.	do.			
Star Refg. Co.	Ft. Morgan	do.	100	Op.	do.			
The Texas Co.	Craig	D&SL	1,200	Op.	Comb.	1,200	Op.	Holmes-Manley.
			8,830			2,200		
DELAWARE a/								
The Texas Co.	Claymont	PRR, P&R	3,500	Op.	Asph.			
			3,500					
GEORGIA a/								
Mexican Pet. Corp. of Ga.	Savannah	S&A	4,000	Op.	Asph.			
			4,000					
ILLINOIS c/								
Calumet Refg. Co.	Burnham	BOCT	1,000	Op.	Lube.			
Henry H. Cross Co. Inc.	Colmar	CB&Q	1,000	Op.	Skim.			
Do.	Dupo	McP	1,000	Op.	do.			
Do.	Joliet	EJ&E	2,000	Op.	do.			
The Globe Oil & Refg. Co.	Lemont	Santa Fe, C&A	3,000	Op.	do.			
Do.	do.	do.	13,500	Op.	Comb.	6,000	Op.	Winkler-Koch.

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Company	Location	Railroads	Straight distillation			Cracking		
			Cap.	Status	Type	Cap.	Status	Type
ILLINOIS c/ (Cont'd)								
Indian Refg. Co. Inc.	Lawrenceville	CCC&StL, B&O	16,000	Op.	Comp.	7,000	Op.	deFlorez.
Do.	do.	do.				1,000	Op.	Cross.
The Ohio Oil Co.	Robinson	CCC&StL, IC	10,000	Op.	S&A	12,000	Op.	Holmes-Manley.
Shell Pet. Corp.	Wood River	C&A, IT, CCC&StL	43,000	Op.	Comp.	17,000	Op.	Dubbs.
Do.	do.	do.				6,000	Op.	Cross.
Do.	do.	do.				6,500	S.d.	TVP.
Socony-Vacuum Oil Co. Inc.	E. St. Louis	A&S	6,000	Op.	Skim.	3,400	Op.	Pratt.
Do.	do.	do.				1,200	Op.	Knowles.
Standard Oil Co. (Ind.)	Wood River	C&A, IT, CCC&StL	20,100	Op.	Comp.	18,000	Op.	Holmes-Manley.
The Texas Co.	Lockport	Santa Fe, C&A	20,000	Op.	do.	2,500	Op.	deFlorez.
Do.	do.	do.				12,000	Op.	Holmes-Manley.
Do.	do.	do.				3,600	Op.	Own.
			136,600			96,200		
INDIANA c/								
Empire Oil & Refg. Co.	E. Chicago	BOCT, IHB, EJ&E	25,000	Op.	Skim.	15,000	Op.	Doherty.
Shell Pet. Corp.	do.	IHB	30,000	Op.	do.	21,000	Op.	Dubbs.
Sinclair Refg. Co. of Me.	do.	IHB, BOCT, PRR, EJ&E	40,000	Op.	Comp.	27,000	Op.	Own.
Do.	do.	do.				20,000	Bldg.	do.
Standard Oil Co. (Ind.)	Whiting	BOCT, EJ&E, IHB, PRR, NYC	89,100	Op.	Comp.	70,000	Op.	Holmes-Manley.
Do.	do.	do.	13,900	Op.	Comb.	10,000	Op.	Own.*
Do.	do.	do.				4,000	Op.	Cross.
Troy Refg. Corp.*	Troy	None	200	Op.	Skim.			
Wadhams Oil Co.	E. Chicago	IHB, PRR	3,500	Op.	do.			
Do.	do.	do.	8,300	Op.	Comb.	8,300	Op.	Own.
			210,000			175,300		
KANSAS d/								
Barnsdall Refg. Corp.	Wichita	Santa Fe, MV	5,000	Op.	Skim.	2,500	Op.	Dubbs.
Do.	do.	do.				1,500	S.d.	do.
The Bay Pet. Corp.*	McPherson	Santa Fe, RI	3,500	Op.	Skim.	2,000	Op.	Kellogg.

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Company	Location	Railroads	Straight distillation			Cracking		
			Cap.	Status	Type	Cap.	Status	Type
KANSAS d/ (Cont'd)								
Chase Refg. Co.	Chase	Santa Fe	800	Op.	Skim.			
Cusco Oil & Refg. Co.	do.	do.	3,500	S.d.	do.			
The Derby Oil Co.*	Wichita	Frisco, RI KCM&O, MoP	8,000	Op.	do.	2,500	Op.	Dubbs.
The El Dorado Refg. Co.	El Dorado	Santa Fe, MoP	5,000	Op.	do.	2,000	Op.	Winkler-Koch.
Falcon Refg. Co.	Great Bend	Santa Fe	1,000	Op.	do.			
Fredonia Oil & Refg. Co.*	Fredonia	Santa Fe, MoP	250	Op.	do.			
The Globe Oil & Refg. Co.	McPherson	MoP, RI	12,000	Op.	Comb.	6,000	Op.	Winkler-Koch.
Golden Rule Refg. Co.	Wichita	Wichita Term.	800	S.d.	Skim.	1,200	S.d.	Jenkins.
The Kanotex Refg. Co.*	Arkansas City	Frisco, Santa Fe, MoP, MV	12,000	Op.	do.	4,500	Op.	Donnelly.
The National Refg. Co.	Coffeyville	MKT, MoP, Santa Fe	8,000	Op.	Comp.	4,000	Op.	Own.
Petroleum Products Co.	Chanute	MKT	800	Op.	Skim.			
Phillips Pet. Co.	Kansas City	UP, MoP	14,000	Op.	do.	3,000	Op.	Dubbs.
Do.	do.	do.	9,000	Op.	Comb.	8,000	Op.	Own.
Roper Pet. Co.	Parsons	UT	250	Op.	Skim.			
Russell Refg. Co.	Russell	None	1,250	S.d.	do.			
Shaffer Refg. Co.*	Hutchinson		2,000	S.d.	do.			
Shallow Water Refg. Co.	Scott City	Santa Fe	1,500	Bldg.	do.			
Shell Pet. Corp.	Arkansas City	MoP, MV, Santa Fe, Frisco	20,000	Op.	do.	9,700	Op.	Dubbs.
Sinclair Refg. Co. of Me.	Coffeyville	MKT, MoP, Santa Fe	12,000	Op.	Comp.	7,000	Op.	Own.
Do.	Kansas City	Santa Fe	11,000	Op.	S&L	7,000	Op.	do.
Skelly Oil Co.	El Dorado	Santa Fe, MoP	23,000	Op.	S&A	15,000	Op.	Winkler-Koch.
Do.	do.	do.				9,000	S.d.	Jenkins.
Do.	do.	do.				4,000	S.d.	Skelly-Rittman.
Socony-Vacuum Oil Co. Inc.	Augusta	Frisco, Santa Fe	15,000	Op.	S&A	16,000	Op.	Own.
Standard Oil Co. (Ind.)	Neodesha	Frisco, MoP	7,500	Op.	Skim.	5,120	Op.	Holmes-Manley
Do.	do.	do.				3,450	Op.	Own.
Vickers Pet. Co.*	Potwin	MoP	4,000	Op.	Skim.	3,500	Op.	Dubbs.
Workman Oil & Refg. Co.	McCune	None	50	S.d.	do.			
			181,200			116,970		

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Company	Location	Railroads	Straight distillation			Cracking		
			Cap	Status	Type	Cap	Status	Type
KENTUCKY c/								
Aetna Oil Service, Inc.	Louisville	K&IT	3,000	Op.	Skim.	3,000	Op.	Fleming.
Ashland Oil & Refg. Co.	Catlettsburg	C&O	4,700	Op.	S&A	2,200	Op.	Dubbs.
Latonia Refg. Corp.	Latonia	L&N	8,000	Op.	do	5,000	Op.	Tube and Tank.
Louisville Refg. Co. Inc.*	Louisville	K&IT	4,500	Op.	do	2,200	Op.	Dubbs.
Simrall Refg. Corp.*	Horse Cave	L&N	2,600	S.d.	Skim.			
South Kentucky Pipe Line Co.	Somerset	CNO&TP	300	Op.	do			
Stoll Oil Refg. Co.	Louisville	L&N	2,000	Op.	Comp.			
The Texas Co.	Pryse	L&N	2,500	Op.	Comb.	2,000	Op.	Holmes-Manley.
			27,600			14,400		
LOUISIANA g/ h/								
Arkansas Fuel Oil Co.	h/Bossier City	St.L&SW, L&A	3,000	S.d.	Asph.			
Do.	h/ do.	do.	25,000	Op.	Skim.	4,800	Op.	Tube and Tank.
Do.	h/ do.	do.				9,200	Op.	Own.
Do.	h/Gas Center	KCSo	15,000	S.d.	do			
Atlas Pipe Line Corp.	h/Shreveport	L&A, T&P	12,500	Op.	do	6,000	Op.	Gyro.
Bayou State Oil Corp.	h/Hosston	T&P	750	Op.	Lube.			
Chalmette Pet. Corp.	g/Chalmette	KCSo	5,000	Op.	Skim.	3,500	Op.	Winkler-Koch.
Griswold Refineries, Inc.	h/Shreveport	do.	1,750	Op.	do.	750	Op.	Own.
Do.	h/Sandra	do.	2,000	Op.	do.			
North Caddo Refy.	h/Rodessa	do.	500	Op.	Top.			
Pan American Pet. Corp.	g/Destrehan	Y&MV	16,000	Op.	S&A			
Pelican Refg. Co. Inc.*	h/Converse	IC,MoP	250	S.d.	Skim.			
Rodessa Oil & Refg. Corp.	h/Cedar Grove	KCSo	7,500	Op.	Comb.	5,000	Op.	Own.
Shell Pet. Corp.	g/Norco	L&A,Y&MV	21,000	Op.	S&A	14,000	Op.	Dubbs.
Shoreline Oil Co.	h/Lewis	KCSo	5,150	Op.	Comp.			
Standard Oil Co. of La.	g/Baton Rouge	L&A, MoP, Y&MV-	80,000	Op.	do.	1,375	Op.	Tube and Tank.
Do.	g/ do.	do.	10,000	Op.	Comb.	37,000	Op.	Own.
Do.	g/ do.	do.				4,125	S.d.	Tube and Tank.

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			Cap.	Status	Type	Cap.	Status	Type
LOUISIANA g/ h/ (Cont'd)								
Standard Oil Co. of La.	g/Baton Rouge	L&A, MoP, Y&MV				7,250	S.d.	Own.
Stanolind Oil & Gas Co.	h/Superior	KCSo	4,500	Op.	Skim.	2,000	Op.	Cross.
The Texas Co.	h/Shreveport	T&P	7,000	Op.	Top.			
			216,900			95,000		
MARYLANDa/								
Continental Oil Co.	Baltimore	B&O, WMd	7,500	Op.	Comb.	3,500	Op.	Cross.
Pan American Refg. Corp.	do.	B&O, PRR, WMd	8,000	Op.	Asph.			
Standard Oil Co. of N. J.	do.	B&O, PRR, Canton, WMd	45,000	Op.	Comp.	43,000	Op.	Tube and Tank.
			60,500			46,500		
MASSACHUSETTSa/								
Cities Service Refg. Co.*	E. Braintree	Fore River	20,000	Op.	Comp.	4,500	Op.	Doherty.
Do.	do.	do.				1,800	S.d.	Holmes-Manley.
Colonial Beacon Oil Co. Inc.	Everett	B&A, B&M	21,000	Op.	S&A	21,000	Op.	Tube and Tank.
			41,000			27,300		
MICHIGAN c/								
American Petro-Chemical Co.*	Wayne	MC, PM				500	S.d.	Wade.
F. M. Bair Oil Co.*	Grand Ledge	PM	250	S.d.	Skim.			
Crystal Refg. Co. Inc.	Carson City	GT	2,000	Op.	Skim.			
Hanners Oil Co.	Elsie	AA	3,000	Op.	do.			
Inland Refineries, Inc.	Drayton Plains	GT	1,500	S.d.	do.			
Inter-Lakes Refg. Co.	Flat Rock	DT&I	1,000	Op.	do.	1,000	Op.	McKee.
Keystone Oil Refg. Co.	Detroit	Wabash, PRR	1,500	Op.	do.			
Lakeland Refy. Inc.	Trowbridge	GT, PM	1,500	Bldg.	do.			
Leonard Refineries, Inc.	Alma	AA, PM	3,000	Op.	do.	1,500	Bldg.	Dubbs.
McClanahan Refineries, Inc.	St. Louis	PM	3,500	Op.	do.	1,400	Op.	do.
Midwest Refineries, Inc.	Alma	AA, PM	3,200	Op.	do.			

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Company	Location	Railroads	Straight distillation			Cracking		
			Cap.	Status	Type	Cap.	Status	Type
MICHIGAN c/ (Cont'd)								
Naph-Sol Refg. Co.	Muskegon	PM	2,500	Op.	Skim.	1,500	Op.	Dubbs.
North American Pet. Co.*	Saginaw	PM	800	S.d.	do.			
Old Dutch Refg. Co.	Muskegon	GT	5,000	Op.	do.	1,500	Op.	TVP.
Peerless Oil Co.	Big Rapids	PM	1,000	S.d.	do.			
Pentagon Refg. Co. Inc.	Plymouth		2,500	S.d.	do.			
Producers Refg. Inc.	West Branch		1,500	Op.	do.			
The Pure Oil Co.	Midland	PM, MC	3,000	Op.	do.			
Roosevelt Oil Co.	Mt. Pleasant	AA	6,000	Op.	S&L			
Socony-Vacuum Oil Co. Inc.	Trenton	DT&I	8,000	Op.	Skim.	3,800	Op.	Dubbs.
Do.	do.	do.	7,500	Op.	Comb.	*6,000	Op.	Own.
State Refg. Co.	Grand Rapids	GT,PM, PRR	1,500	Bldg.	Skim.			
Sweet Oil Refg. Co.	Wyman	PM	2,000	Op.	do.			
Tiger Refg. Co.	Grand Rapids	GT	750	Op.	do.			
			62,500			17,200		
MISSISSIPPI h/								
East Jackson Refg. Co.*	Jackson	None	50	S.d.	Asph.			
			50					
MISSOURI d/								
Standard Oil Co. (Ind.)	Sugar Creek	Santa Fe, KCSo	21,700	Op.	Comp.	16,500	Op.	Holmes-Manley.
Do.	do.	do.				7,000	S.d.	Burton.
			21,700			23,500		
MONTANA i/								
Arro Oil & Refg. Co.	Lewistown	CMStP&P, GN	2,000	S.d.	Skim.	500	S.d.	Dubbs.
Big Horn Oil & Refg. Co.*	Billings	CB&Q, GN, NP	1,000	S.d.	do.			
Big West Oil Co. of Mont.	Kevin	GN	2,200	Op.	do.	1,000	Op.	Dubbs.
Bridger Refinery	Bridger	None	90	Op.	do.			
Carr-Gray Corp.	Sunburst	do.	80	S.d.	do.			
Continental Oil Co.	Lewistown	CMStP&P	800	Op.	do.			
Cut Bank Refg. Co.	Cut Bank	GN	350	Op.	do.			
Deloraine Refg. Co.	Oilmont	do.	300	Op.	do.			
Dunlap Refinery	Cat Creek	None	75	S.d.	Top.			

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Company	Location	Railroads	Straight distillation			Cracking		
			Cap.	Status	Type	Cap.	Status	Type
MONTANA i/ (Cont'd)								
Hart Refineries	Missoula	CMStP&P, NP	300	Op.	Skim.			
Ted Hawley	Gallup City	None	100	S.d.	do.			
Hole Brothers Refinery	Cut Bank	GN	300	Op.	do.			
Home Oil & Refg. Co.	Great Falls	do.	1,500	Op.	do.	750	Op.	Dubbs.
Do.*	Conrad	do.	1,000	Op.	do.			
Eugene Hunt	Winnett	CMStP&P	400	Op.	do.			
Independent Refg. Co.*	Laurel	CB&Q, GN, NP	5,000	Op.	S&A	1,500	Op.	Donnelly.
International Refg. Co.	Sunburst	GN	4,500	Op.	Comb.	3,500	Op.	deFlorez.
C. A. McKeehan	Molt	None	26	Op.	Skim.			
Minnesota Flatwillow Pet. Co.	Cat Creek	do.	15	S.d.	do.			
Minntana Oil Co.*	Lake Basin		30	Op.	do.			
Northwest Refg. Co.	Cut Bank	GN	2,500	Bldg.	Comb.	970	Bldg.	Dubbs.
Red Lodge Refinery*	Red Lodge	NP	100	S.d.	Skim.			
Snow Cap Oil Co.	Sunburst	GN	300	Op.	do.			
Unity Pet. Corp.*	Kalispell	GN	800	Op.	do.	800	Op.	Vapor. phase.
Yale Oil Corp.*	Billings	CB&Q, GN, NP	6,000	Op.	S&A			
Do.	Miles City	CMStP&P, NP	500	S.d.	Skim.			
			30,266			9,020		
NEBRASKA i/								
Terry Carpenter*	Scottsbluff	CB&Q	500	Op.	Skim.			
Chadron Refinery*	Chadron	C&N	98	Op.	do.			
Federal Pet. Prod. Co.	Harrison	None	60	S.d.	do.			
Gordon Refg. Co.*	Rushville		100	Op.	do.			
Midland Refg. Corp.*	Crawford	CB&Q	75	Op.	do.			
			833					
NEW JERSEY a/								
The Barber Co. Inc.	Maurer	CRRNJ, PRR	10,000	Op.	S&A	2,500	Op.	Cross.
Cities Service Oil Co.	Petty Island	PRR, P&R	12,000	Op.	Skim.	7,000	Op.	Doherty.
Middlesex Refg. Co.	Green Sands	LV	5,000	S.d.	do.			
Socony-Vacuum Oil Co. Inc.	Paulsboro	PRR	23,000	Op.	Comp.	3,600	Op.	Tube and Tank.
Standard Oil Co. of N. J.	Bayonne, etc.	CRRNJ, LV, PRR, SIRT	155,000	Op.	do.	165,000	Op.	do.

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Company	Location	Railroads	Straight distillation			Cracking		
			Cap.	Status	Type	Cap.	Status	Type
NEW JERSEY a/ (Cont'd)								
Standard Oil Co. of N. J.	Bayonne, etc.	CRRNJ, LV, PRR, SIRT				14,000	Bldg.	Tube and Tank.
Tide Water Associated Oil Co.	Bayonne	CRRNJ, LV, EJ&T	55,000	Op.	Comp.	18,500	Op.	do.
Do.	do.	do.				2,500	S.d.	do.
Warner-Quinlan Co.	Warners	CRRNJ	12,000	Op.	S&A			
			272,000			213,100		
NEW MEXICO i/								
The Aerex Co.	Bloomfield	None	100	Op.	Skim.			
Basin Refg. Co.*	Aztec	D&RGW	100	Op.	do.			
Continental Oil Co.	Albuquerque	Santa Fe	500	Op.	do.			
Do.	Artesia	do.	1,500	Op.	do.			
Do.	Farmington	D&RGW	600	Op.	do.			
Malco Refineries, Inc.	Artesia	Santa Fe	2,000	Op.	do.	1,000	Op.	Dubbs.
McNutt Oil & Refg. Co.	Brickland	Santa Fe, SP	1,000	Op.	do.	500	Op.	Donnelly.
Pecos Diamond Refg. Co. Inc.	Artesia	None	500	Op.	do.			
Valley Refg. Co.	Roswell	Santa Fe	500	Op.	do.			
Do.	do.	do.	300	Op.	Comb.	300	Bldg.	Dubbs.
Walker Oil Corp.	Hobbs	None	100	S.d.	Skim.			
			7,200			1,800		
NEW YORK a/ b/								
Allegany Refiners, Inc.	b/Bolivar	PS&N	1,200	Op.	S&L			
Gulf Oil Corp.	a/Staten Island	B&O	15,000	Op.	Skim.			
Sinclair Refg. Co. of Me.	b/Wellsville	B&O, ERR	10,000	Op.	Comp.	6,000	Op.	Own.
Socony-Vacuum Oil Co., Inc.	a/Brooklyn, etc.	LIRR	19,000	Op.	do.	5,000	Op.	Cross.
Do.	a/ do.	do.				3,000	S.d.	do.
Do.	a/ do.	do.				2,000	Op.	deFlorez.
Do.	b/Buffalo	BCRR	7,000	Op.	Comp.	2,000	Op.	do.
Do.	b/Olean	ERR, PRR	6,500	Op.	do.	1,000	Op.	Cross.
			58,700			19,000		
OHIO b/ c/								
Alco Refg. Co.	b/Canton	PRR, W&LE	1,700	Op.	Skim.	1,000	S.d.	Dubbs.
The Canfield Oil Co.	b/Cleveland	W&LE	1,000	Op.	do.			

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Company	Location	Railroads	Straight distillation			Cracking		
			Cap.	Status	Type	Cap.	Status	Type
OHIO b/ c/ (Cont'd)								
Gulf Refg. Co.	c/Hooven	CCC&StL, B&O	16,000	Op.	Comb.	14,200	Op.	Own.
Do.	c/Toledo	W&LE	16,000	Op.	do.	16,000	Op.	do.
Lima Crude Refg. Co.	c/Findlay	NYC	700	Op.	Skim.			
The H. A. Montgomery Co.	c/ do.	CCC&StL	500	S.d.	S&L			
The National Refg. Co.*	c/ do.	CCC&StL	3,200	Op.	Comp.	1,350	Op.	do.
Do.	b/Marietta	B&O	700	Op.	do.			
Peninsula Oil Co.	c/Catawba Island	None	30	S.d.	Skim.			
The Pure Oil Co.	b/Heath	B&O, NYC, PRR	11,000	Op.	do.	4,000	Op.	Cross.
Do.	b/ do.	do.				4,000	Op.	Gyro.
Do.	c/Toledo	Toledo Term.	10,000	Op.	Skim.	2,000	Op.	do.
Do.	c/ do.	do.	5,500	Op.	Comb.	4,500	Op.	Cross.
Do.	c/ do.	do.				6,500	Op.	do.
The Standard Oil Co. (Ohio)	b/Cleveland	B&O, ERR	24,000	Op.	Comp.	10,000	Op.	Tube and Tank.
Do.	c/Lima	B&O, ERR, CCC&StL	7,500	Op.	Skim.	4,000	Op.	Solar.
Do.	c/ do.	do.				2,000	S.d.	Cross.
Do.	c/Toledo	Toledo Term.	12,000	Op.	Comp.	4,500	Op.	Tube and Tank.
Sun Oil Co.	c/ do.	Bay Term.	14,000	Op.	Skim.	10,000	Op.	Own.
			123,830			84,050		
OKLAHOMA d/								
Allied Materials Corp.	Stroud	Frisco	1,500	Op.	Asph.			
Anderson-Prichard Refg. Corp.	Cyril	do.	6,000	Op.	S&A	3,500	Op.	Winkler-Koch.
Barnsdall Refg. Corp.	Barnsdall	MV	4,000	Op.	S&L	2,250	Bldg.	Cross.
Do.	Okmulgee	ON, Frisco	7,500	S.d.	Skim.	2,500	Op.	do.
Beckett Co., Inc.*	Duncan	RI	2,000	S.d.	do.			
Bell Oil & Gas Co.*	Grandfield	MKT, RI	4,500	Op.	do.	2,000	Op.	Dubbs.
Black Gold Refg. Co.*	Oklahoma City	Santa Fe	2,000	Op.	S&L	600	Op.	do.
Champlin Refg. Co.*	Enid	Santa Fe, Frisco	16,000	Op.	S&L	3,500	Op.	Winkler-Koch.
Continental Oil Co.	Ponca City	Santa Fe, RI	26,000	Op.	Comp.	4,000	Op.	Cross.
Do.	do.	do.				8,250	Op.	Dubbs.
Cushing Refg. & Gasline Co.	Blackwell	Santa Fe, Frisco	1,700	Op.	Skim.			

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Company	Location	Railroads	Straight distillation			Cracking		
			Cap.	Status	Type	Cap.	Status	Type
OKLAHOMA d/ (Cont'd)								
Cushing Refg. & Gasline Co.	Cushing	Santa Fe, MKT	4,500	Op.	Skim.	2,200	Op.	Dubbs.
Deep Rock Oil Corp.	do.	do.	10,000	Op.	Comp.	4,000	Op.	do.
Eason Oil Co.*	Enid	Santa Fe, Frisco.	4,000	Op.	Skim.	2,000	Op.	Jenkins.
Empire Oil & Refg. Co.	Okmulgee	Frisco, ON	4,000	Op.	Comp.	1,200	Bldg.	Doherty.
Do.	Ponca City	Santa Fe, RI	12,000	Op.	do.	2,300	Op.	do.
Do.	do.	do.				1,000	S.d.	do.
Do.	do.	do.				2,200	Op.	Dubbs.
The Globe Oil & Refg. Co.	Blackwell	Santa Fe, Frisco	8,000	Op.	Skim.	4,000	Op.	Winkler-Koch.
Illinois Oil Co.	Cushing	Santa Fe, MKT	3,000	S.d.	do.	1,500	S.d.	Donnelly.
Johnson Oil Refg. Co.	Cleveland	MKT	5,000	Op.	do.	1,000	Op.	Dubbs.
Do.	do.	do.				1,000	Bldg.	do.
Knox Refg. Co.	Covington	None	250	Op.	Skim.			
Mid Continent Pet. Corp.	W. Tulsa	Santa Fe, Frisco, MV	40,000	Op.	Comp.	20,000	Op.	Own.
The Ohio Oil Co.	Bristow	Frisco	5,000	Op.	Skim.	1,500	Op.	Kellogg.
Oklahoma City Refg. Co.*	Oklahoma City		2,000	S.d.	do.			
Omar Refg. Co.*	Carber	RI	4,000	Op.	do.			
Paramount Refg. Co.*	Oklahoma City		2,000	S.d.	do.			
Peppers Gasoline Co.*	do.	Frisco	500	S.d.	do.			
Phillips Pet. Co.	Okmulgee	ON, Frisco	6,000	Op.	S&L	3,000	Op.	Dubbs.
The Pure Oil Co	Muskogee	KO&G, MKT, Frisco, MV	10,000	Op.	Comp.	2,400	Op.	Cross.
Do.	do.	do.				2,300	Op.	Gyro.
Rock Island Refg. Co.	Beckett	RI	6,500	Op.	Skim.	4,000	Op.	Winkler-Koch.
Sinclair Refg. Co. of Me.	Sand Springs	SSRR	6,000	Op.	Comp.	3,000	Op.	Cross.
Sooner State Refg. Co.*	Oklahoma City		500	Op.	Skim.			
Sun Oil Co.	Yale	Santa Fe, MKT	5,000	Op.	do.			
Sunray Oil Co.*	Allen	KO&G	6,000	Op.	S&A	1,600	Op.	Dubbs.
The Texas Co.	W. Tulsa	Frisco, MV	16,000	Op.	Comp.	12,000	Op.	Holmes-Manley.
Do.	do.	do.				3,600	Op.	Own.
Tide Water Associated Oil Co.	Drumright	Santa Fe, Frisco	15,000	Op.	Skim.	7,000	Op.	Tube and Tank.

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Company	Location	Railroads	Straight distillation			Cracking		
			Cap.	Status	Type	Cap.	Status	Type
OKLAHOMA d/ (Cont'd)								
Triangle Prod. & Refg. Co.*	Oklahoma City	RI	1,400	Op.	Skim.			
S. L. West Refg. Co.*	Oklahoma City		1,000	Op.	do.			
H. F. Wilcox Oil & Gas Co.	Bristow	Frisco	6,000	Op.	do.	1,500	Op.	Dubbs.
Wirt Franklin Pet. Corp.	Ardmore	Santa Fe, Frisco, RI	4,000	S.d.	do.			
Yale Oil Corp.	Yale	Santa Fe, MKT	2,000	S.d.	do.			
			260,850			110,900		
PENNSYLVANIA a/ b/								
The Atlantic Refg. Co.	a/Philadelphia	B&O, PRR	67,000	Op.	Comp.	20,000	Op.	Cross[1].
Do.	a/ do.	do.				17,000	Op.	deFlorez.
Do.	a/ do.	do.	18,000	Op.	Comb.	24,000	Op.	Own.
Do.	b/Pittsburgh	PRR	8,000	S.d.	Comp.	4,000	S.d.	Cross.
James B. Berry Sons' Co., Inc.	b/Oil City	do.	2,500	Op.	do.			
Bradford Oil Refg. Co.	b/Bradford	B&O, ERR, PRR	2,000	Op.	S&L			
Bradford-Penn Refg. Corp.	b/Clarendon	PRR	1,500	Op.	Comp.			
The Canfield Oil Co.	b/Corapolis	P&LE	1,500	Op.	S&L			
Cities Service Oil Co.	b/Titusville	NYC, PRR	3,000	Op.	Comp.			
Continental Refg. Co.*	b/Oil City	PRR	1,000	S.d.	S&L			
Daugherty Refinery	b/Petrolia	B&O	2,000	Op.	do.			
Franklin Creek Refg. Corp.	b/Franklin	ERR	1,500	Op.	do.			
The Freedom Oil Works Co.	b/Freedom	PRR	2,500	Op.	Comp.	500	Op.	Dubbs.
Gulf Oil Corp.	b/Neville Island	PC&Y, P&LE	3,000	Op.	S&L	1,800	Op.	Own.
Do.	do.	do.	7,000	Op.	Comb.	*5,000	Op.	do.
Do.	a/Girard Pt.	PRR	10,000	Op.	Comp.	22,000	Op.	do.
Do.	do.	do.	20,000	Op.	Comb.			
Do.	do.	do.				4,200	S.d.	do.
Kendall Refg. Co.	b/Bradford	B&O, ERR, PRR	4,000	Op.	Comp.	1,600	Op.	Dubbs.
Oil Creek Refg. Co.*	b/Fieldmore Spgs.	NYC, PRR	1,500	Op.	do.			
Pennsylvania Oil Products Refg. Co.	b/Eldred	PRR	6,000	Op.	do.	500	S.d.	Wade.

[1]Including Lewis.

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Company	Location	Railroads	Straight distillation			Cracking		
			Cap.	Status	Type	Cap.	Status	Type
PENNSYLVANIA a/ b/ (Cont'd)								
Pennsylvania Refg. Co.	b/Karns City	B&O	1,500	Op.	Comp.			
Do.	b/Titusville	NYC, PRR	2,000	Op.	S&L			
The Pennzoil Co.	b/Rouseville	PRR	10,000	Op.	Comp.	4,500	Op.	Dubbs.
Do.	b/ do.	do.				1,000	S.d.	do.
The Pure Oil Co.	a/Marcus Hook	PRR, P&R	20,000	Op.	Comp.	6,000	Op.	Cross.
Do.	a/ do.	do.				3,000	Op.	Gyro.
Quaker State Oil Refg. Corp.	b/Emlenton	PRR	1,650	Op.	Comp.	750	Op.	Dubbs.
Do.	b/Farmers Valley	PS&N	3,000	Op.	do.	1,500	Op.	do.
Republic Oil Refg. Co.	b/Corapolis	P&LE	4,000	S.d.	Top.	1,500	S.d.	Cross.
Sinclair Refg. Co. of Me.	a/Marcus Hook	PRR, P&R	38,000	Op.	S&A	27,000	Op.	Own.
The Sloan & Zook Refg. Co.	b/Warren	PRR	1,500	Op.	S&L			
Starlight Refg. Co.	b/Karns City	B&O	625	Op.	Skim.	(Petrolatum)		
Sun Oil Co.	a/Marcus Hook	B&O, PRR P&R	63,000	Op.	Comp.	65,000	Op.	Own.
Superior Oil Works	b/Warren	PRR	500	Op.	do.			
Tiona Refg. Co.	b/Clarendon	do.	1,000	S.d.	do.			
Ultra-Penn Refg. Co.	b/Bruin	B&O	1,000	Op.	do.			
United Refg. Co.	b/Warren	PRR	3,000	Op.	do.	1,200	Op.	Dubbs.
Valvoline Oil Co.	b/E. Butler	B&O	2,500	Op.	do.			
Do.	b/Warren	PRR	1,000	S.d.	do.			
Waverly Oil Works Co.	b/Pittsburgh	do.	1,800	Op.	do.	600	S.d.	Cross.
Wolverine-Empire Refg. Co.	b/Reno	ERR, NYC	2,000	Op.	do.			
Do.*	b/Tidioute	PRR	800	S.d.	S&L			
			320,875			212,650		
RHODE ISLAND a/								
Socony-Vacuum Oil Co., Inc.	E. Providence	NYNH&H	9,000	Op.	S&A	4,000	Op.	Cross.
The Texas Co.	Providence	NYNH&H	2,000	Op.	Asph.			
			11,000			4,000		
SOUTH CAROLINA a/								
Standard Oil Co. of N. J.	Charleston	ACL, SAL, So	6,500	Op.	S&A			
			6,500					

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Company	Location	Railroads	Straight distillation			Cracking		
			Cap.	Status	Type	Cap.	Status	Type
SOUTH DAKOTA i/								
D - H Refg. Co.*	Spearfish		40	Op.	Skim.			
Edgemont Refg. Co.*	Edgemont	CB&Q	30	Op.	do.			
Hot Springs Refg. Co.	Hot Springs	None	55	Op.	do.			
Rex Oil Refinery	Rapid City	do.	200	Op.	do.			
Sturgis Refg. Co.	Sturgis	do.	50	Op.	do.			
			375					
TENNESSEE c/								
Russell Producing Co.	Sunbright	So	100	Op.	Skim.			
			100					
TEXAS e/ f/								
Acme Refg. Co.*	e/Gladewater	None	1,500	S.d.	Skim.			
Admiral Refg. Co.*	e/Kilgore	I&GN	2,500	S.d.	do.			
Aero Gas Refg. Co.*	e/Pecos		225	S.d.	do.			
Allstate Refg. Co.	e/Thrall	I&GN	2,500	S.d.	do.			
American Pet. Co.	f/Houston	Port Term.	10,000	Op.	do.			
Amsco Refg. Co.	e/Mirando City	Tex. Mex.	4,500	Op.	do.			
Amsco Refg. Corp.	f/Corpus Christi	I&GN	3,500	Op.	do.			
Ardell Refg. Co.*	e/Gladewater	T&P	1,500	S.d.	do.			
The Atlantic Refg. Co.	f/Atreco	KCSo	18,000	Bldg.	Comb.	18,000	Bldg.	Own.
Atlantic-Pacific & Gulf Refg. Co.*	e/Wichita Falls	FW&DC, WV, MKT	5,000	S.d.	Skim.	1,500	S.d.	Jenkins.
Baird Refg. Co.	e/Baird	T&P	1,500	Op.	do.	3,000	Op.	Own.
Beacon Oil & Refg. Co.*	e/Henderson	I&GN	3,000	Op.	do.			
Bennett Refg. Co.*	f/Houston	Santa Fe, I&GN	2,500	Op.	do.			
Do.*	f/ do.	do.	1,500	S.d.	do.			
Bluebonnet Oil Refg. Co.	e/Wickett	T&P	5,000	S.d.	Top.			
Blue Diamond Refg. Co.*	e/Gladewater	None	1,500	S.d.	Skim.			
Calcul Refg. Co.*	e/ do.	do.	1,000	S.d.	do.			
Carnation Refg. Co.*	e/ do.	do.	1,500	S.d.	do.			
Carson Refinery*	e/Brady	Santa Fe	70	Op.	do.			
Cascade Refg. Co.*	e/Reeds Switch	I&GN	2,000	Op.	do.	1,000	Op.	Own.
Century Refg. Co.*	e/Friars Switch	do.	2,500	S.d.	do.			
Chapa Refinery*	e/Laredo		400	S.d.	do.			
Chief Refg. Co.*	e/Gladewater	T&P	1,500	S.d.	do.			
Citizens Oil & Refg. Corp.	e/Luling	SP	500	S.d.	do.			
Clay Refg. Co.*	e/Arp	I&GN	3,000	Op.	do.	1,000	Op.	Own.

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Company	Location	Railroads	Straight distillation			Cracking		
			Cap.	Status	Type	Cap.	Status	Type
TEXAS e/ f/ (Cont'd)								
Coastal Refineries Inc.*	f/Port Isabel		5,000	Op.	Skim.	2,500	Op.	Own.
Coleman Refg. Corp.	e/Coleman		1,000	Op.	do.			
Col-Tex Refg. Co.	e/Colorado	T&P	12,500	Op.	Comb.	3,700	Op.	Richmond.
Concho Refg. Co.*	e/San Angelo	Santa Fe	150	Op.	Skim.			
Continental Oil Co.	e/Wichita Falls	MKT	4,000	Op.	Comb.	2,200	Op.	Cross.
Corpus Christi Refg. Co.*	f/Corpus Christi	I&GN	3,500	Op.	Skim.			
Cosden Oil Corp.*	e/Big Spring	T&P	10,000	Op.	S&A	10,000	Op.	Donnelly.
Crown Central Pet. Corp.	f/Pasadena	Port Term.	16,000	Op.	S&L	7,000	Op.	Holmes-Manley.
Crown Oil Corp.*	e/Ft. Worth		1,000	S.d.	Skim.			
Danciger Oil & Refineries, Inc.*	e/Longview	I&GN	12,000	Op.	do.	2,000	Op.	Kellogg.
Do.	e/Pampa	Santa Fe, FW&DC	6,000	Op.	do.	4,000	Op.	Biddison-Boyd.
Danube Oil Corp.*	e/Borger		250	Op.	do.			
Davis Refy. Inc.	f/Corpus Christi		1,000	Op.	S&L			
Dominant Refg. Co. #2*	e/Kilgore	I&GN	2,000	S.d.	Skim.			
Eastern States Pet. Co.*	f/Houston	Port. Term.	12,000	Op.	do.	6,400	Op.	Dubbs.
East Texas Pet. Crack. Co.*	e/Camp Switch	I&GN	4,200	S.d.	do.			
East Texas Refg. Co.	e/Longview	Santa Fe, I&GN, T&P	10,000	Op.	do.	7,000	Op.	Donnelly.
Empire Oil & Refg. Co.	e/Gainesville	Santa Fe, MKT	5,000	S.d.	do.	2,000	S.d.	Dubbs.
The Exchange Pet. Corp.*	e/Albany	MKT	800	Op.	do.			
Falls Refg. Co.*	e/Wichita Falls	FW&DC	2,500	Op.	do.			
Fordyce Refg. Co.	e/Sullivan City	I&GN	1,500	Op.	do.			
Gainesville Refg. Corp.	e/Gainesville	MKT	1,500	Op.	do.			
General American Oil Corp.*	e/Arp	I&GN	4,000	S.d.	do.	2,000	S.d.	Own.
Do.*	e/Gladewater	T&P	4,000	S.d.	do.	1,500	S.d.	do.
Do.*	e/Overton	I&GN	6,500	S.d.	do.	2,000	S.d.	do.
Goodson Bros.*	e/Gladewater	T&P	1,000	S.d.	do.			
Gratex Refg. Co.	e/Graham	RI, WF&S	300	Op.	do.			
Gulf Oil Corp.	e/Ft. Worth	FW Belt	6,000	Op.	Comb.	6,000	Op.	Own.
Do.	f/Port Arthur	KCSo, SP	55,000	Op.	Comp.	33,000	Op.	do.
Do.	f/ do.	do.	45,000	Op.	Comb.			
Do.	e/Sweetwater	Santa Fe, T&P	5,000	Op.	Skim.	4,000	Op.	do.
Hanover Refg. Co.*	e/Kilgore	None	2,000	S.d.	do.			
Louis Hausman Oil Co.*	e/Laredo	Tex. Mex. I&GN	55	S.d.	do.			

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Company	Location	Railroads	Straight distillation			Cracking		
			Cap	Status	Type	Cap.	Status	Type
Texas e/ f/ (Cont'd)								
Heath Refg. Co. Inc.	e/Gladewater	None	3,000	S.d.	Skim.			
Hightower Oil & Refg. Corp.*	e/Brownwood	Santa Fe, Frisco	500	Op.	do.			
Hill Refg. Co.	e/Ballinger	None	40	S.d.	do.			
Houston Oil Co. of Texas	f/Viola	I&GN	1,000	Op.	do.			
Howard County Refg. Co.*	e/Big Spring	T&P	2,000	Op.	do.			
Humble Oil & Refg. Co.	f/Baytown	I&GN, SP	130,000	Op.	S&L	76,000	Op.	Tube and Tank.
Do.	f/ do.	do.				8,000	Op.	Cross.
Do.	f/Ingleside	SP	16,000	Op.	S&A	14,000	Op.	Tube and Tank.
Do.	e/Neches	I&GN	5,000	Op.	Skim.			
Do.	e/San Antonio	I&GN, SP	5,000	Op.	do.			
Hurricane Pet. Co.*	e/Arp	I&GN	4,000	Op.	do.	700	Op.	Donnelly.
Do.	e/Overton	do.	5,000	Op.	do.	2,500	Op.	Own.
Ina Oil & Refg. Co.*	e/Hondo		150	Op.	Lube.			
Intersouthern Refg. Co.	e/Laredo	I&GN	2,000	Re-bldg.	Skim.			
Jacksboro Refg. Co.	e/Jacksboro		250	S.d.	do.			
K - D Refg. Co.	e/Talco	P&MP	3,000	Op.	do.			
Kent Refg. Co.	e/Angus	SP	2,000	S.d.	do.			
Kilgore Refg. Co.*	e/Kilgore	I&GN	4,000	S.d.	do.			
Lake Refg. Co.*	e/Gladewater	None	4,000	S.d.	do.			
La Pren Refg. Co.*	e/Kilgore	I&GN	2,000	S.d.	do.			
La Salle Pet. Co.	e/Burkburnett	MKT	3,500	Op.	do.			
Lotus Refg. Co.*	e/Gladewater	T&P	2,000	S.d.	do.			
The Lubbock Refg. Co.*	e/Lubbock		250	S.d.	do.			
MacCook Oil Co.	f/Houston	SP	300	Op.	do.			
Macmillan Pet. Corp.*	e/Borger	Santa Fe	7,500	S.d.	do.			
Magnolia Pet. Co.	f/Beaumont	KCSo, SP	90,000	Op.	Comp.	44,000	Op.	Cross.
Do.	f/ do.	do.	30,000	Op.	Comb.			
Do.	f/ do.	do.				2,200	S.d.	do.
Do.	e/Corsicana	SP, StL&SW	4,000	Op.	Skim.			
Do.	e/Ft. Worth	StL&SW, MKT, T&P	5,500	Op.	do.	3,000	Op.	Cross.
Do.	e/Luling	SP	6,800	Op.	do.	5,800	Op.	Own.
Do.	f/Magpetco	KCSo	10,000	S.d.	do.			
Martin Refg. Co.*	e/Gladewater	T&P	5,000	Op.	do.	1,500	Op.	Own.
Master Pet. Co.*	e/Waco	StL&SW, I&GN	800	Op.	do.			
Do.*	e/Dallas		800	S.d.	do.			
Matthews Refg. Co.	e/Gladewater	T&P	1,200	S.d.	do.			

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Company	Location	Railroads	Straight distillation			Cracking		
			Cap.	Status	Type	Cap.	Status	Type
TEXAS e/ f/ (Cont'd)								
Mid-Texas Refg. Co.*	e/Eliasville	None	400	S.d.	Skim.			
Minerva Refg. Co.	e/Minerva	SP	1,000	Op.	do.			
Modern Refg. Co.	e/Gladewater	T&P	2,000	S.d.	do.			
M. O. & P. Refg. Co.*	e/Cisco		500	S.d.	do.			
Moutray Oil Co.	e/Hawley	WV	1,200	Op.	do.			
Muenster Refg. Co.*	e/Muenster	MKT	300	Op.	do.			
New Deal Oil & Refg. Co.*	e/Abilene	ASo, T&P	350	S.d.	do.			
Norgold Refg. Co.	e/Olney	None	210	S.d.	do.			
North Texas Oil & Refg. Co.*	e/Gainesville	MKT	1,000	S.d.	do.			
Ocean Pet. Co.*	e/Kilgore	I&GN	3,000	Op.	do.			
The Ohio Oil Co.	e/Ft Worth	MKT, T&P	5,000	Op.	Comp.	1,500	Op.	Kellogg.
Olney Oil & Refg. Co.	e/Olney	WF&S	3,000	Op.	Skim.	1,500	Op.	Donnelly.
Onyx Refg. Corp.*	e/Abilene	WV	1,200	Op.	do.			
Ozozo Refg. Co.*	e/Henderson	I&GN	6,000	S.d.	do.			
Paluxy Asph. Co.*	e/Talco	P&MP	5,000	Bldg.	S&A	1,500	Bldg.	Own.
Panama Refg. Co.*	e/Kilgore	I&GN	5,000	S.d.	Skim.			
Pan American Refg. Corp.	f/Texas City	TC Term.	30,000	Op.	Comb.	30,000	Op.	Kellogg.
Do.	f/ do.	do.	31,000	Bldg.	do.	31,000	Bldg.	do.
Panhandle Refg. Co.	e/Kings Mill	Santa Fe	2,500	Op.	Skim.			
Do.	e/Lueders	MKT	1,000	Op.	do.			
Do.	e/Wichita Falls	MKT	4,200	Op.	Comb.	2,000	Op.	Dubbs.
Paramount Refineries, Inc.*	e/San Angelo	Santa Fe	2,000	S.d.	Skim.			
Parran Refg. Co.*	e/San Antonio		500	S.d.	do.			
Petrol Coastal Refg. Co.*	f/Corpus Christi	I&GN	6,000	Bldg.	Comb.	6,000	Bldg.	Own.
Pettus Oil & Refg. Co.	e/Pettus	SP	1,000	S.d.	Skim.			
Phillips Pet. Co.	e/Borger	Santa Fe, RI	50,000	Op.	do.	48,000	Op.	Own.
Phoenix Refg. Co.	e/Bruni	Tex. Mex.	1,000	Op.	Lube.			
Do.	e/San Antonio	I&GN	1,500	Op.	Skim.			
Pilot Point Refg. Co.*	e/Pilot Point	MKT, T&P	700	S.d.	do.			
Pioneer Oil & Refg. Co.*	e/Somerset	I&GN	1,500	Op.	S&L			
Plains Gas & Fuel Co., Inc.*	e/Megargel	Frisco	1,000	S.d.	Skim.			
Plainview Refg. Co.*	e/Plainview	Santa Fe, FW&DC	800	S.d.	do.			
Premier Asph. Co.*	e/Talco	P&MP	5,000	Bldg.	S&A			

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Company	Location	Railroads	Straight distillation			Cracking		
			Cap.	Status	Type	Cap.	Status	Type
TEXAS e/ f/ (Cont'd)								
Premier Oil Refg. Co. of Texas	e/Willow Springs	T&P	4,500	Op.	comb.	3,000	Op.	Own.
The Pure Oil Co.	f/Nederland	KCSo	32,000	Op.	Skim.	20,000	Op.	Cross.
Do.	f/ do.	do.				13,000	Bldg.	do.
Rado Refg. Co.	e/McAllen	I&GN	800	Op.	do.			
Ranné Refg. Co.	e/Mathis	I&GN, SP	1,000	Op.	do.			
Refugio Refinery*	f/Refugio		300	Op.	Top.			
Republic Oil Refg. Co.*	f/Texas City	TC Term.	5,000	Op.	Skim.	5,000	Op.	Winkler-Koch.
Rio Oil & Refg. Co.*	e/Sullivan City	I&GN	1,000	S.d.	do.			
Rusk Oil & Refg. Co.	e/Overton	do.	4,000	S.d.	do.			
Sageland Refg. Co.	e/Sweetwater		1,000	S.d.	do.			
San Antonio Refg. Co.	e/Southton	SP	100	Op.	do.			
Seminole Oil Co.*	e/Nacogdoches	do.	150	S.d.	Lube.			
Shamrock Oil & Gas Corp.	e/Lefors	FW&DC	1,500	Op.	Skim.			
Do.	e/Sunray	RI	2,500	Op.	do.			
Shell Pet. Corp.	f/Houston	Port Term.	56,000	Op.	do.	36,000	Op.	Dubbs.
Do.	f/ do.	do.				14,000	Bldg.	do.
Shelly Refg. Co.	f/Bay City	Santa Fe	1,000	Op.	Skim.			
Sinclair Refg. Co. of Me.	e/Ft Worth	FW&DC, RI	4,000	Op.	do.	3,000	Op.	do.
Do.	e/Gladewater	T&P	3,000	Op.	do.			
Do.	f/Houston	Port Term, SP	55,000	Op.	S&L	44,000	Op.	Own.
Solvex Refineries, Inc.*	e/Gladewater	T&P	5,000	Op.	Skim.	2,500	Op.	Dubbs.
Southland Refg. Co.*	e/Megargel	Frisco	1,000	S.d.	do.			
Do.*	e/Olney	Frisco, WF&S	650	S.d.	do.			
Southport Pet. Co.*	e/Kilgore	I&GN	5,000	Op.	do.	2,000	Op.	Donnelly.
Do.*	f/Texas City	TC Term.	10,000	Op.	Comb.	10,000	Op.	do.
Southwestern Oil & Refg. Co.	f/Corpus Christi	I&GN	4,000	Op.	Skim.			
Stamford Refg. Co.	e/Stamford	WV	275	Op.	do.			
Standard Oil Co. of Texas	e/El Paso	Santa Fe, MNW, NM, SP, T&P	14,000	Op.	do.	5,000	Op.	Dubbs.
Star Light Refg. Co., Inc.	e/Hatchel	A&S	300	Op.	do.			
Stone Oil Co.	f/Texas City	TC Term.	7,500	Op.	do.	1,500	Op.	Jenkins.
Sunshine Refinery	e/Livingstone	None	130	Op.	do.			
Supreme Refg. Co.*	e/Gladewater	T&P	1,000	S.d.	do.			
Talco Asphalt & Refg. Co.	e/Mt. Pleasant	StL&SW	5,200	Bldg.	Comb.	5,200	Bldg.	Dubbs.

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Company	Location	Railroads	Straight distillation			Cracking		
			Cap.	Status	Type	Cap.	Status	Type
TEXAS e/ f/ (Cont'd)								
Taxman Refg. Co.	e/Wichita Falls	MKT, WF&S, FW&DC	3,500	Op.	Skim.	1,500	Op.	Donnelly.
Taylor Refg. Co.*	e/Taylor	MKT, I&GN	4,000	Op.	do.	1,000	Op.	Rowsey.
Terminal Refg. Corp.	f/Corpus Christi	I&GN	3,000	Op.	do.			
The Texas Co.	e/Amarillo	FW&DC	6,000	Op.	Comb.	2,000	Op.	deFlorez.
Do.	e/ do.	do.				2,000	Op.	Own.
Do.	e/El Paso	SP	2,000	Op.	Skim.	2,000	Op.	Holmes-Manley.
Do.	f/Houston	Port Term. SP	20,000	Op.	do.	2,500	Op.	Tube and Tank.
Do.	f/Port Arthur	KCSo, SP	100,000	Op.	Comp.	2,000	Op.	deFlorez.
Do.	f/ do.	do.				90,000	Op.	Holmes-Manley.
Do.	f/ do.	do.				3,600	Op.	Own.
Do.	f/Port Neches	KCSo	25,000	Op.	Asph.			
Do.	e/San Antonio	MKT, SP	5,000	Op.	Skim.	5,000	Op.	Holmes-Manley.
Do.	e/W. Dallas	Santa Fe, T&P	16,000	Op.	do.	2,000	Op.	de Florez.
Do.	e/ do.	do.				4,500	Op.	Holmes-Manley.
Do.	e/ do.	do.				6,000	Op.	Own.
Texas Pacific Coal & Oil Co.*	e/Caddo	WF&S	1,000	Op.	Top.			
Do.*	e/Ft. Worth	StL&SW	3,000	S.d.	S&L	700	S.d.	Cross.
Tower Refg. Co.*	e/Overton	I&GN	3,500	Op.	Skim.	1,000	Op.	Own.
Trinity Refg. Co.*	e/Gladewater	T&P	6,000	S.d.	do.	2,000	S.d.	Lummus.
Tucker Oil Co.	e/Burkburnett	None	250	Op.	do.			
Tydal Refg. Co.*	e/Gainesville	MKT	2,000	Op.	do.			
Tyler, Texas Oil & Refg. Co.*	e/Tyler	StL&SW	10,000	S.d.	do.	6,000	S.d.	Dubbs.
Tyrene Refg. Co.	e/Anarene	WF&S	300	S.d.	do.			
Union Refg. Co.*	e/Camp Switch	I&GN	6,000	S.d.	do.			
Utah Refg. Co.*	e/Kilgore	do.	3,500	S.d.	do.			
Valley Refg. Co.	e/Harlingen	SP	1,000	Op.	do.			
Wabash Refg. Co.*	e/Gladewater	T&P	1,500	S.d.	do.			
Waggoner Refg. Co.	e/Electra	FW&DC	6,000	Op.	do.	3,000	Op.	Dubbs.
Ward Refg. Co.*	e/Gladewater	T&P	1,500	S.d.	do.			
Western Refg. Co.*	e/Mertzon		1,000	Op.	do.			
Western States Refg. Co.*	e/Overton	I&GN	2,500	S.d.	do.			
West Texas Oil & Refg. Co.	e/Sweetwater	Santa Fe, T&P	100	Op.	Lube.			
West Texas Refg. Co.	e/Pecos	do.	500	Op.	Skim.			
Wickett Refg. Co.*	e/Wickett	T&P	2,500	Op.	do.			
Wood-Moore Corp.	f/Port Lavaca	SP	1,500	Op.	do.			
			1,313,955			700,000		

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Company	Location	Railroads	Straight distillation			Cracking		
			Cap.	Status	Type	Cap.	Status	Type
UTAH i/								
Diamond Oil Co.	Virgin	None	100	S.d.	Top.			
Utah Oil Refg. Co.	Salt Lake City	UP	7,000	Op.	Comp.	7,680	Op.	Holmes-Manley.
Utah Parks Pet. Co.	Virgin	None	100	S.d.	Skim.			
Wasatch Oil Refg. Co.	Woods Cross	UP	1,200	Op.	Comb.	1,200	Op.	Own.
			8,400			8,880		
VIRGINIA a/								
The Texas Co.	Norfolk	N&PB	2,000	Op.	Asph.			
			2,000					
WEST VIRGINIA b/								
Carbide & Carbon Chemicals Corp.	Charleston	C&O	2,000	Op.	Comb.	2,000	Op.	Gyro.
Elk Refg. Co.	Falling Rock	B&O	2,500	Op.	Comp.	800	Bldg.	Dubbs.
Ohio Valley Refg. Co.	St. Marys	do.	2,000	Op.	do.	750	Op.	do.
The Pure Oil Co.	Cabin Creek Jct.	C&O	2,500	Op.	do.	2,500	Op.	Gyro.
Do.	do.	do.	1,500	Op.	Comb.			
Tri-State Refg. Co.	Kenova	C&O, N&W	2,500	S.d.	Skim.	1,800	S.d.	Jenkins.
			13,000			7,850		
WYOMING i/								
The Bay Pet. Corp.	Cheyenne	UP	400	Op.	Skim.			
Beck Refinery	Cody	CB&Q	600	S.d.	do.			
The Big Goose Refinery.*	Sheridan	do.	50	S.d.	do.			
California Pet. Corp. (Utah)	Calpet	None	300	S.d.	do.			
C. & H. Refinery	Lusk	do.	100	Op.	do.			
Consumers Oil & Refg. Co.	Newcastle	CB&Q	300	Op.	do.			
Continental Oil Co.	Glenrock	CB&Q, C&NW	2,800	Op.	Comb.	1,800	Op.	Cross.
Crook County Refinery	Sundance	None	20	Op.	Skim.			
Eclipse Oil & Refg. Co.*	Newcastle	do.	270	S.d.	do.			
Elk Horn Gas Refinery	Osage	do.	55	Op.	do.			
The Fern Oil Co.*	Thermopolis	CB&Q	500	S.d.	S&A			
D. D. Gibson	do.	do.	1,500	Op.	Skim.			
Gillette Refg. Co.	Gillette	do.	200	Op.	do.			
Goshen Oil & Refg. Co.*	Torrington	do.	250	S.d.	do.			
Gray Refg. Co.*	Newcastle	None	90	Op.	do.			

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Company	Location	Railroads	Straight distillation			Cracking		
			Cap.	Status	Type	Cap.	Status	Type
WYOMING i/ (Cont'd)								
Home Oil & Refg. Co.*	Lander		250	Op.	Skim.			
Interstate Oil & Refg., Inc.	West Mule Creek	None	60	Op.	do.			
Mission Oil Co.	Thermopolis	CB&Q	1,500	Op.	do.			
Moorcroft Refg. Co.	Moorcroft	do.	63	Op.	do.			
Northwestern Petroleum	Osage	do.	280	Op.	do.			
Oreana Refg. Co.*	La Barge	None	100	Op.	do.			
Osage Refg. Co.*	Osage	CB&Q	700	S.d.	do.	750	S.d.	Cross.
Park Refg. Co.	Cody	do.	1,500	Op.	do.			
Pedro Refinery	Newcastle	do.	300	S.d.	do.			
Jack Ralston*	Upton	None	44	Op.	do.			
Resolute Oil Corp.	Badger Basin	do.	400	Op.	do.			
Sheridan Refg. Co.	Sheridan	None	250	Op.	do.			
Do.	Gillette	CB&Q	250	S.d.	do.			
Sinclair Refg. Co. of Me.	Parco	UP	8,000	Op.	S&L	3,000	Op.	Dubbs.
Do.	do.	do.				1,000	S.d.	do.
Do.	do.	do.				7,000	Bldg.	Own.
Socony-Vacuum Oil Co., Inc.	Casper	CB&Q, C&NW	3,000	Op.	S&A.	2,000	Op.	do.
Do.	do.	do.	3,000	Op.	Comb.			
Standard Oil Co. (Ind.)	do.	do.	12,600	Op.	Comp.	6,500	Op.	Kellogg.
Do.	Greybull	CB&Q	4,000	Op.	S&A	1,900	Op.	Cross.
The Texas Co.	Casper	CB&Q, C&NW	7,000	Op.	Skim.	5,000	Op.	Holmes-Manley.
Do.	do.	do.				3,600	Op.	Own.
Do.	Cody	CB&Q	3,000	Op.	S&A	1,500	Op.	Holmes-Manley.
Upton Refinery*	Upton	None	50	S.d.	Skim.			
W. J. Whitman*	LeRoy	UP	200	S.d.	do.			
Williams Refinery*	San Pedro		50	S.d.	Lube.			
Yoco Refinery*	Powell	None	25	S.d.	Skim.			
Yoil Refg. Co.	Mills	do.	200	S.d.	do.			
Wyoming Gas & Oil Co.	Osage	CB&Q	1,500	Op.	do.			
Yale Oil Corp.*	Worland	do.	200	S.d.	do.			
			55,957			34,050		

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